ABSTRACT

A method of controlling the performance of a radio link between a base transceiver station and a radio terminal for a wireless transmission system is provided. A radio network controller (RNC) monitors a directly observable L-2 parameter, and determines a without explicit L2-L1 signaling a threshold violation by the L-1 parameter for accordingly triggering a status change of the radio link. Namely, a L-2 radio resource management algorithm prompts the radio terminal and the RNC to perform a radio resource management action whenever the L-1 parameter violates a L-1 threshold. Such an action could be directly downgrading or upgrading the transmission rate on the radio link, or a radio link reconfiguration. The L-1 parameter may be the radio block error rate r, and the L-2 parameter may be the PDU retransmission rate R.